TGGATCAGATAAAGTTTGTAAAGA

ATGACAAAGAAAATGAGAAGAGTGGGCAAGTACGAGGTTGGTCGCACAATAGGTGAAGGAACCTTTGCTAAGGTTAAG > Œ 0 0 œ 9 9 > 깥  $\propto$  $\mathbf{\times}$ 

TTGCGAGGAACACACAGACACTGGTGATAATGTAGCCATCAAAATTATGGCTAAGAGTACAATACTTAAGAACAGAATG

Σ ∞ Z  $\checkmark$ S  $\checkmark$ ⋖ Σ 国<u>-</u> A Z ت  $\Box$ Z  $\alpha$ Œ

GTTGATCAGATAAAAAGAGAGATATCTATAATGAAGATTGTTCGTCACÇCGAACATAGTGAGGTTGTATGAGGTGTTG ≃ Н Z م エ ∝ >  $\leq$ ∑ S ≃ C

53

27

TGATAGAATTGTTCATAAAGGG GCGAGTCCTTCGAAAATATATATATATTTGGAGTTTGTGACAGGAGGAGAGGCTCTT

エ മ 9 G ليا ட 79

G

TGCTCATTGTCACTGCAAGGGTGT AGGCTTGAAGAAGTGAGTCTCGGAAATACTTTCAACAGCTTGTAGATGC<sup>-</sup>

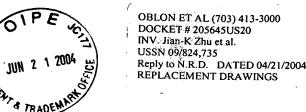
0 エ ت 工 Œ А > ے د 
C3
ب  $\checkmark$ 깥 S ليا 5 ш ш 105

TACCACCGTGACCTAAAGCCAGAAAATCTTTACTCGATACAAATGGAAATCTGAAGGTTTCGGATTTCGGACTCAG

G × > Z G Z Z ليا ٩ a O 工 131

GCATTGCCTCAGGAAGGAGTAGAACTTCTGCGTACCACATGTGGAACTCCGAACTATGTAGCTCCAGAGGTACTTAG1 لبا م A > ≻ Z ۵.  $\alpha$ 9 ш  $\Box$ ட Œ 157

FIG.2B(1)



GGACAGGGTTACGATGGTTCAGCAGCTGATATTTGGTCTTGCGGGGTTATTCTTTTCGTTATATTGGCTGGATATTTA ی Œ Œ Œ 5 0  $\Box$ G C 183

م م ပ 5 Œ ⋖ Z œ 9 م 209

GCAGAAGTGAAGTTTTTAATACATAGGATACTTGACCCCAATCCCAAAACACGTATTCAAATTCAAGGAATCAAGAAA  $\checkmark$ G œ Н œ  $\simeq$  $\checkmark$ ۵. Z ۵.  $\Box$ œ エ <u>\_\_</u>  $\leq$  $\triangleleft$ 235

CCTTGGTTCAGATTAAATTATGTGCCTATACGAGCAAGGGAAGAAGAAGAAGTGAATTTGGATGATATTCGTGCA Œ œ Z ليا ш ليا ليا  $\alpha$ V œ ۵\_ > Z 깥 ــا 3 ௳ 261

GTTTTTGATGGAATTGAGGGCAGTTATGTAGCGGAGAATGTAGAGAGAAATGATGAAGGGCCCCCTGATGATGAATGCC Z Σ  $\mathbf{\Sigma}$ م 0 لبا Z œ ш > Z ليا ⋖ > > S 0 ليا 0 287

TTGAGATGATTACCTTATCACAAGGCTTAAATTTATCTGCACTATTTGACAGGCGACAGGATTTTGTTAAAAGGCAA  $\propto$ C  $\alpha$ ≃  $\Box$ ـــا Œ 5 \_ Z 0 œ S Σ 313

ACCCGTTTTGTTTCTCGAAGGGAACCTAGTGAGATAATTGCTAACATTGAGGCTGTAGCGAACTCAATGGGTTTTAAG ٥ Z Œ Æ ليا Z ⋖ ليا 5 ٩  $\propto$  $\propto$ > മ 339



TCTCATACACGAAACTTCAAGACAAGGCTCGAGGGATTATCTTCGATCAAGGCCGGACAGTTAGCTGTTGTGATAGAG

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ATTTACGAGGTGGCACCATCGCTTTTCATGGTAGACGTAAGAAGGCTGCTGGTGAAACTCTTGAATATCACAAGTTC

エ ليا 9 Œ Œ 깥 Σ 5 م V ليا

TACAAGAAGCTATGTTCGAAACTGGAAAACATATGGAGGGCAACAGAAGGAATACCAAAGTCGAGATTCTCAGA  $\prec$ 

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ACAATCACGTTTTGATCCCAACTTAA

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DNVAIKIMAKSTIILKINRMVD EHLNVKIADFGLSNIMTDG-NFI I ADFGL SNMMS DG-EF GEGTFAKVKFARNTD DAHMNAK SIIMKIVRHPNIVRLYEVLASPSK SAVDYCHRHMVVHRDLKPENV <u>I SAVE YCHRHK|I VHRDL KPENL</u> <u>LVJDAVJAHCHCKIGVIYHRDLKPENI</u> MAPEVISGKLYAGPEVDVWSCGVI <u>VAPEVLSGQGMDGSAADIWSCGVI</u> MTKKMR<mark>RVGKYEVGRT</mark> SLADGAHIGNMOIJVK MAEKQKHDGRV<u>K I GHY</u>VI <u>SGRL YAGPEVD</u> 180 121 2018 2025 AMPK **SDS**2 AMPK AMPK SNF1 AMPK SNF1

FIG. 34

HRI

236

SOS

SVAT

240 282

AMPK



389 389 449 SDS2 CHK1 CHK1 SDS2 CHK1

FIG. 3B



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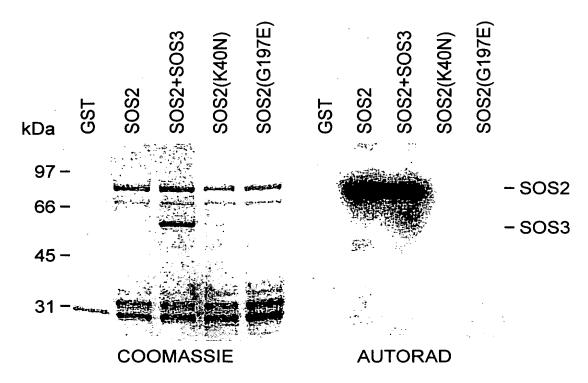


FIG.4





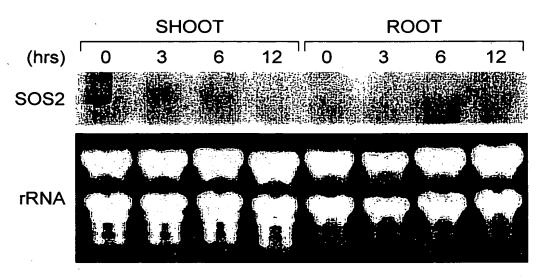


FIG.5A

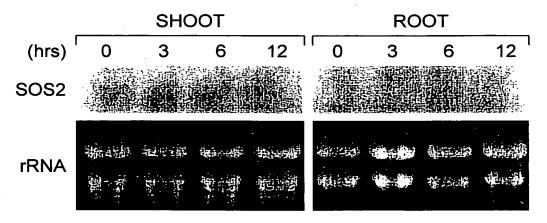


FIG.5B